

INTEGRATED CIRCUIT INDUCTOR

Abstract of the Disclosure

5 An inductor has a spiral aluminum track deposited on an oxide layer over a silicon substrate. The substrate is etched away to form a trench, which extends around
beneath the track and provides an air gap having a low dielectric constant. The oxide
layer has an inner region within the track, an outer region outside the track and a
bridging region extending between the other regions. The bridging region is comprised
of intact bridges and gaps therebetween, which are open to the trench and through which
10 an etchant has access to the silicon substrate to form the trench by etching.

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